



# **Air Force Contracting Information Systems System Program Directorate**

## **CONCEPT OF OPERATIONS**

28 May 1997

Lt Col Andrew Gilmore  
SSG/KI

# **Outline**

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**AFCIS SPD**

***Background***

***Mission/Vision***

***Objectives & Tasks***

***Key Relationships***

***Key Processes***

***Work Breakdown Structure***

***Organizational Issues***

# Outline

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*AFCIS SPD*

→ *Background*

*Mission/Vision*

*Objectives & Tasks*

*Key Relationships*

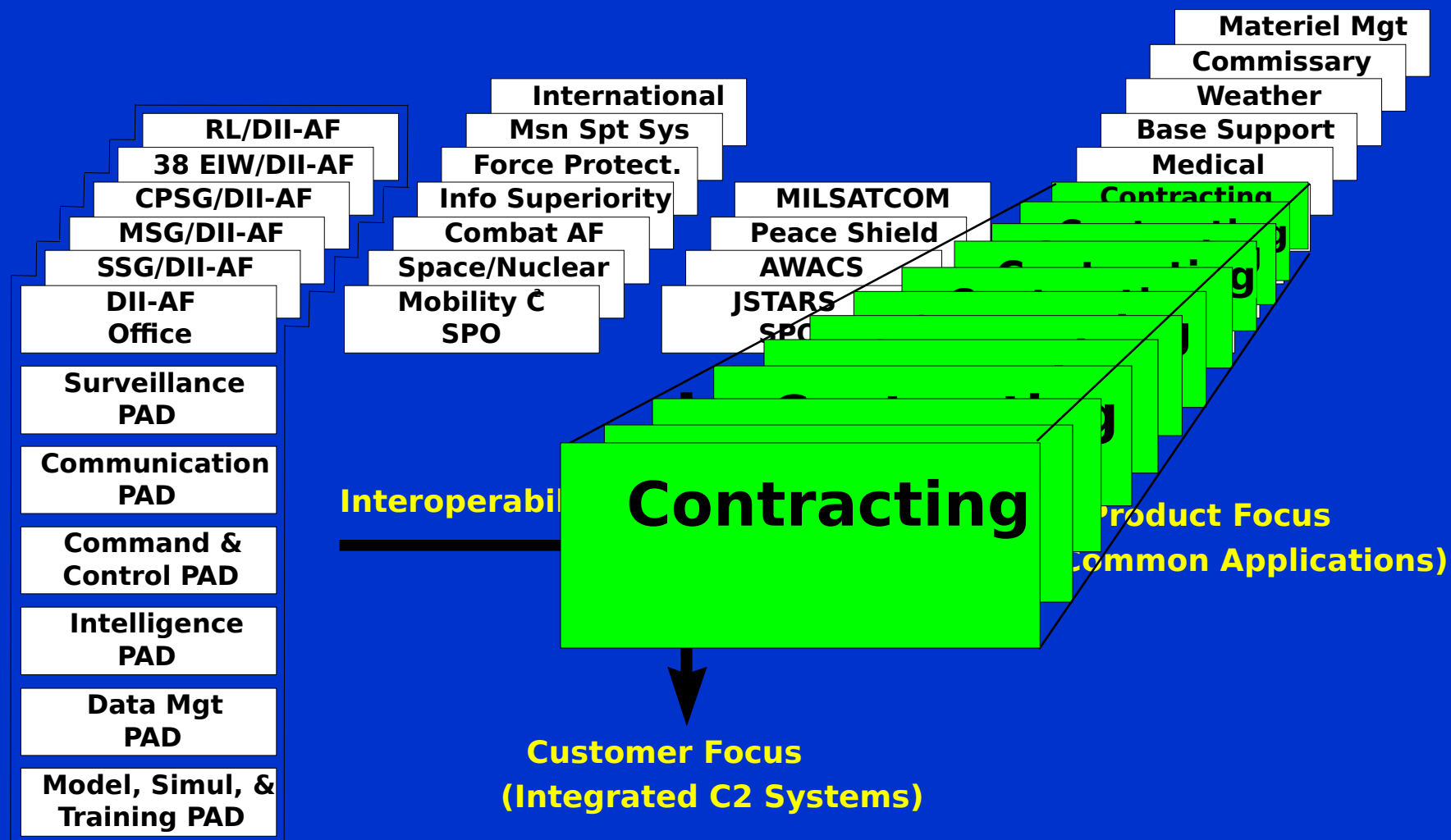
*Key Processes*

*Work Breakdown Structure*

*Organizational Issues*

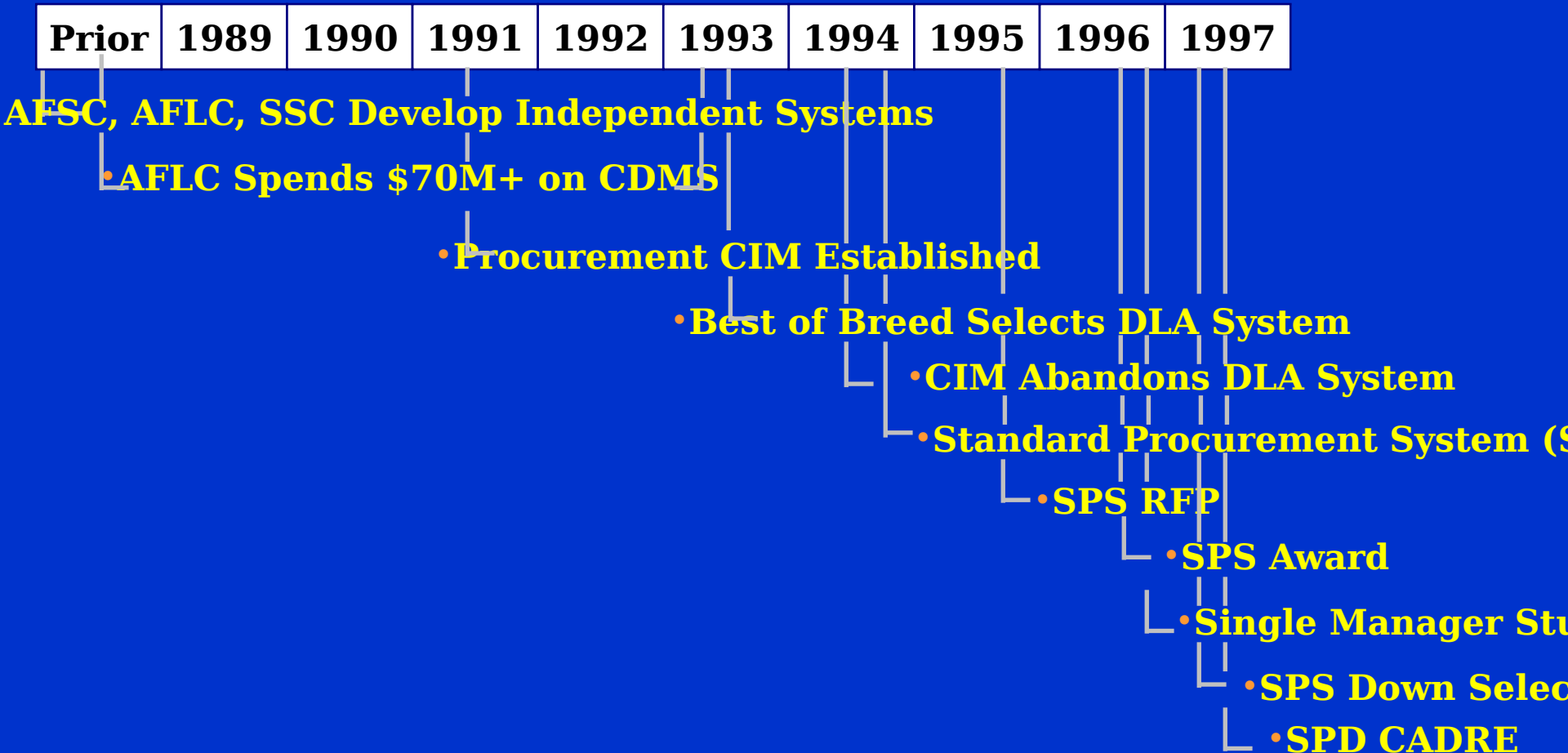
# Where We Fit

**AFCIS SPD**



# Background

**AFCIS SPD**

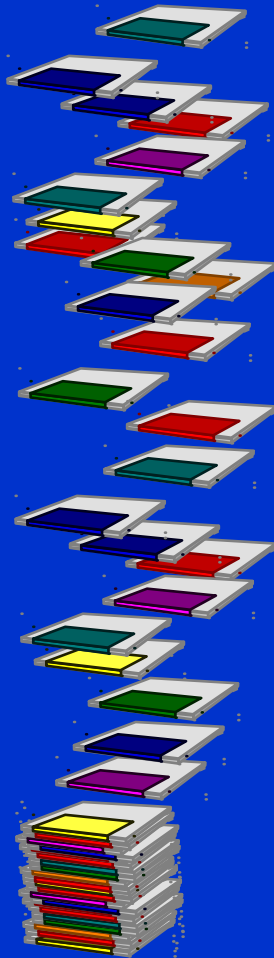
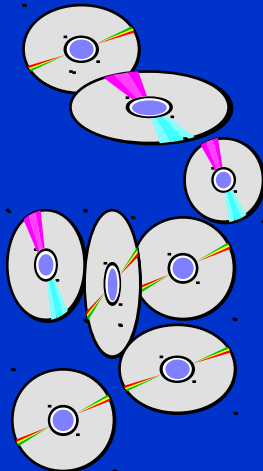


# One View of the World

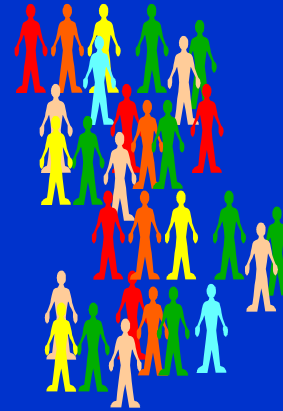
## Major Systems



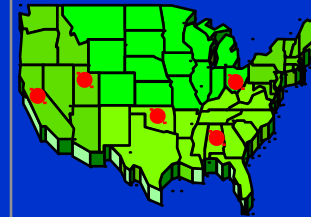
## Operating Lines of Code Systems



## Users Supported



## Development Activities



## Opinions

21

+

8

+

8,350,000

+

10,000

+

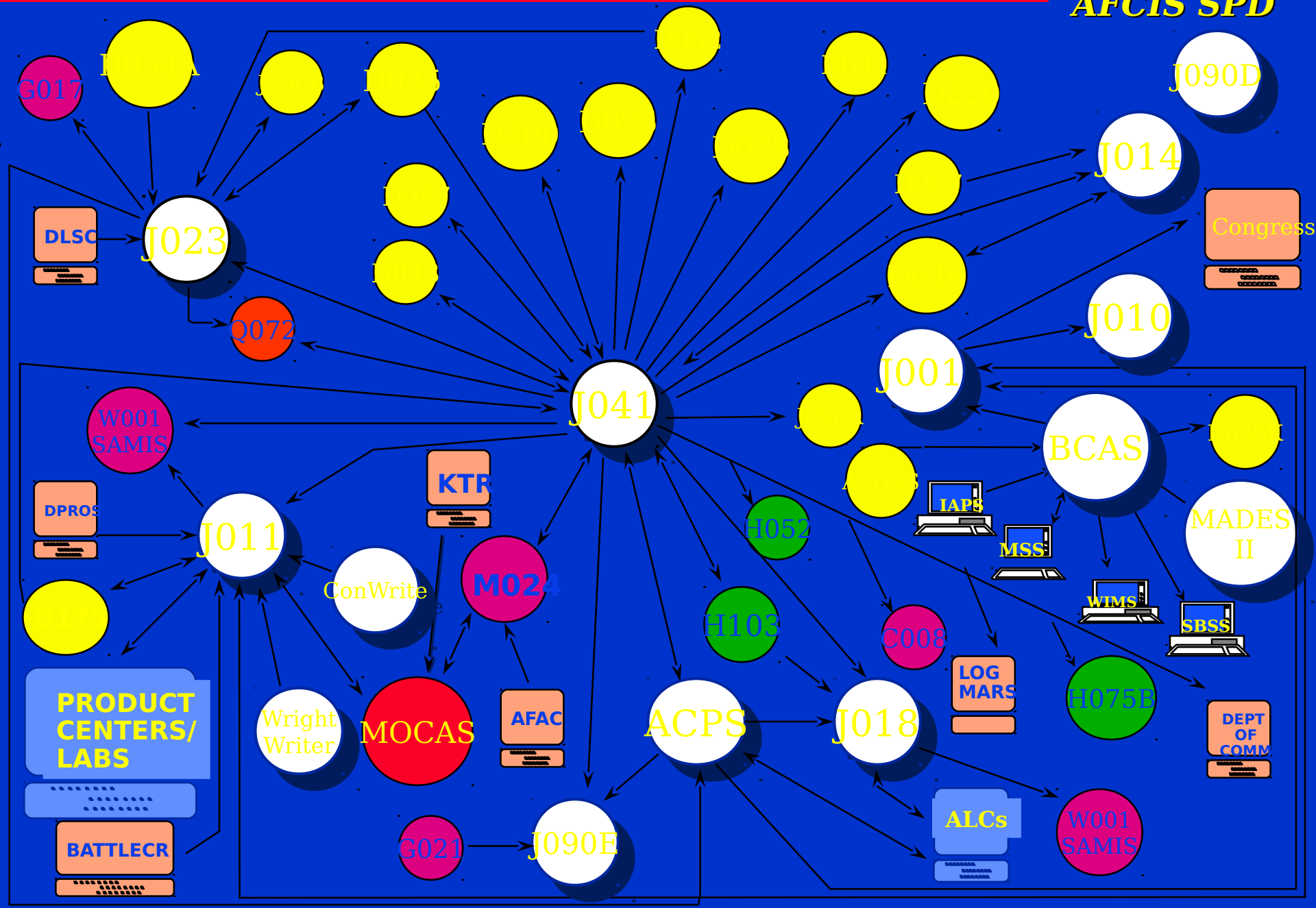
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8,360,034

# CURRENT AFMC CONTRACTING LEGACY SYSTEMS INTERFACES

*AFCIS SPD*



# Outline

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**AFCIS SPD**

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# Mission

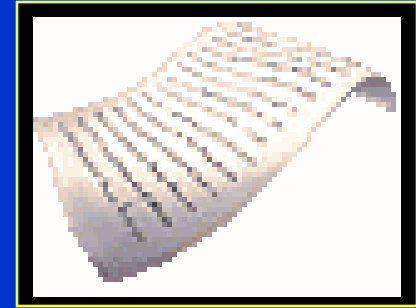
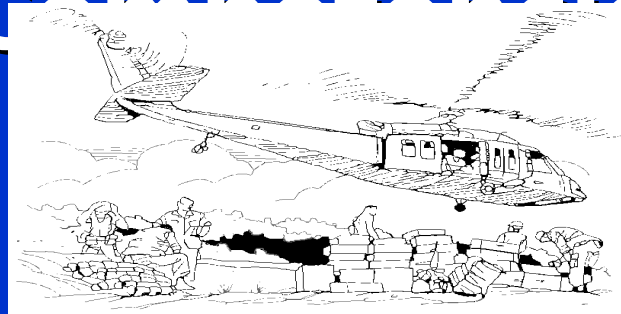
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*AFCIS SPD*

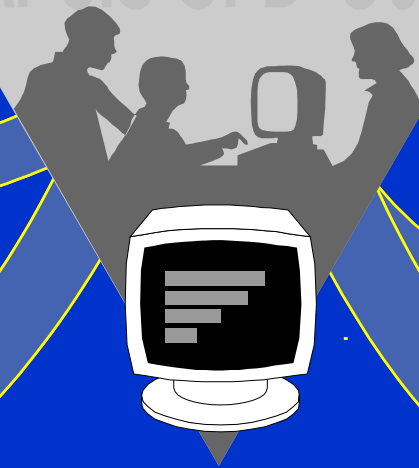
To **sustain** Air Force contracting information systems and provide **business and information technology improvements** while **transitioning** these systems to a standards compliant, responsive, single system to support more **efficient and effective contracting operations worldwide in any environment.**

# Delivering ESC Core Capabilities

**AFCIS SPD**



**AFCIS SPD Goals**



**Data Management**

**Transforming Data Into Knowledge  
Sustaining Missions through Agile Combat Support**

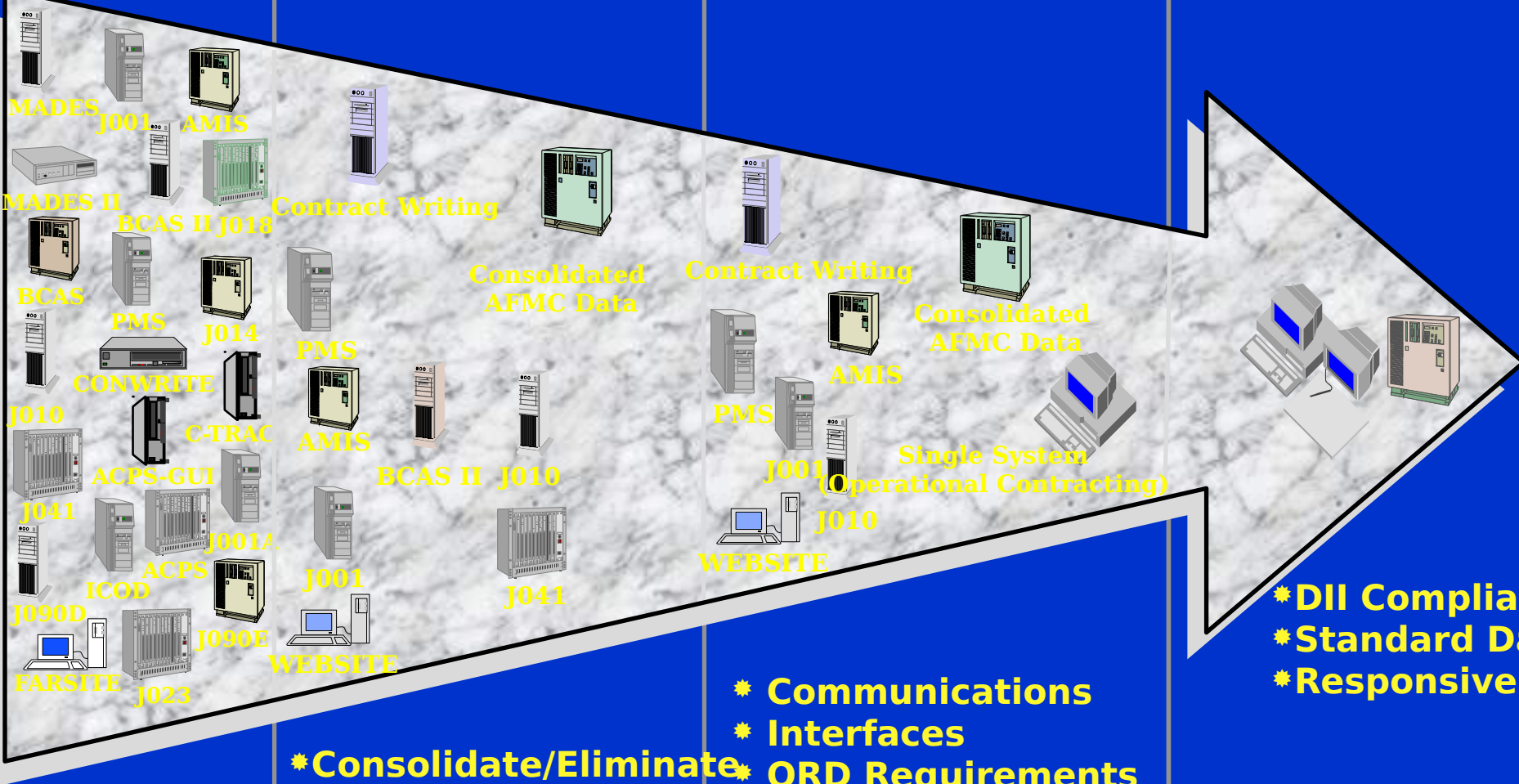
# Strategy

**AFCIS SPD  
Deployment**

**Assessment**

**Consolidation**

**Infrastructure**



\* Maintenance  
\* Fact of Life

\* Consolidate/Eliminate  
\* Year 2000  
\* Fact of Life  
\* Improve Processes

\* Communications  
\* Interfaces  
\* ORD Requirements  
\* OT&E Testing

\* DII Compliant  
\* Standard Data  
\* Responsive

# Outline

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*AFCIS SPD*

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*Objectives & Tasks*



*Key Relationships*

*Key Processes*

*Work Breakdown Structure*

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# Objectives and Tasks

*AFCIS SPD*

**Objective 1: Develop and implement an effective and efficient sustainment approach for legacy systems**

## Tasks:

- Achieve Y2K compliance
- Eliminate archaic, redundant, and low ROI capability
- Assess new system development efforts
- Ensure simultaneous policy and system implementation
- Maintain rapid application development capability to support multiple block releases each year

- Achieve Acquisition Cycle of 18 Months or Less
- Integrate AF C2 Systems using GCCS/GCSS and DII COE
- Reduce the Cost of C2 Systems Acquisition
- Advance the State of the Art
- Integrate ESC - Make IWSM Work
- Act as Entry Point for AF and Joint Battle Labs

**ESC  
GOALS**

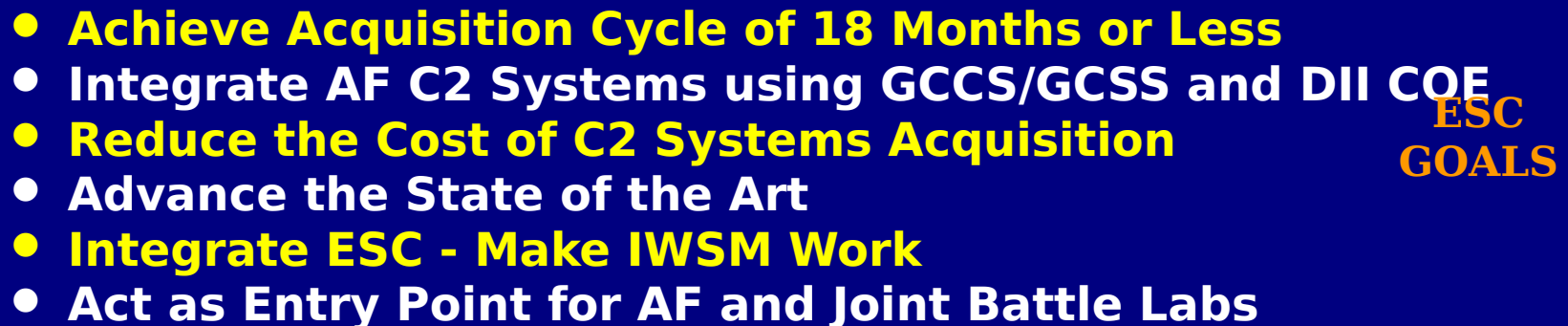
# Objectives and Tasks

*AFCIS SPD*

**Objective 2: Facilitate reengineering of contracting business process to be responsive to changes across the acquisition cycle**

## Tasks:

- Establish Process Reengineering Lab
- Identify candidate opportunities for Process Lab integration
- Use Process Lab for requirement definition, test, and validation

- 
- Achieve Acquisition Cycle of 18 Months or Less
  - Integrate AF C2 Systems using GCCS/GCSS and DII COE
  - Reduce the Cost of C2 Systems Acquisition
  - Advance the State of the Art
  - Integrate ESC - Make IWSM Work
  - Act as Entry Point for AF and Joint Battle Labs

**ESC  
GOALS**

# Objectives and Tasks

*AFCIS SPD*

**Objective 3:** Leverage Internet technology to make contracting business processes more efficient and effective

## Tasks:

- Enhance and build upon the success of FARSite
- Plan for transition from FACNET to WWW
- Use Internet for software distribution
- Transition current system documentation to interactive

- Achieve Acquisition Cycle of 18 Months or Less
- Integrate AF C2 Systems using GCCS/GCSS and DII COE
- Reduce the Cost of C2 Systems Acquisition
- Advance the State of the Art
- Integrate ESC - Make IWSM Work
- Act as Entry Point for AF and Joint Battle Labs

**ESC  
GOALS**

# Objectives and Tasks

*AFCIS SPD*

**Objective 4: Transition from current legacy systems environment to the DII COE**

## Tasks:

- Assess the state of the current legacy system environment
- Identify shortfall in the POM and submit funding requirements
- Procure and deploy hardware and software infrastructure
- Transition legacy data to DII COE standards and single source

- Achieve Acquisition Cycle of 18 Months or Less
- Integrate AF C2 Systems using GCCS/GCSS and DII COE
- Reduce the Cost of C2 Systems Acquisition
- Advance the State of the Art
- Integrate ESC - Make IWSM Work
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ESC  
GOALS



# Objectives and Tasks

*AFCIS SPD*

## Objective 5 **Transition AF Contracting to a Single Contracting System**

### Tasks:

- **Develop a risk assessment of SPS**
- **Execute a migration plan to a single contracting system**

- **Achieve Acquisition Cycle of 18 Months or Less**
- **Integrate AF C2 Systems using GCCS/GCSS and DII COE**
- **Reduce the Cost of C2 Systems Acquisition**
- **Advance the State of the Art**
- **Integrate ESC - Make IWSM Work**
- **Act as Entry Point for AF and Joint Battle Labs**

**ESC  
GOALS**

# Objectives and Tasks

*AFCIS SPD*

Objective 6 **Fully integrate AFCIS organization to best achieve its**

## Tasks:

- Institute standard business and development processes
- Employ Virtual Internet Forum to facilitate communication
- Establish single funding process for all AFCIS organizations

- Achieve Acquisition Cycle of 18 Months or Less
- Integrate AF C2 Systems using GCCS/GCSS and DII COE
- Reduce the Cost of C2 Systems Acquisition
- Advance the State of the Art
- **Integrate ESC - Make IWSM Work**
- Act as Entry Point for AF and Joint Battle Labs

**ESC  
GOALS**

# **Outline**

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**AFCIS SPD**

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***Key Relationships***



***Key Processes***

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# Key Relationships

**AFCIS SPD**

System User	Customer	Other External	Technical Provider	SPO Linkage	PADs
<ul style="list-style-type: none"> <li>• MAJCOMs</li> <li>• DISA</li> <li>• Other Services</li> <li>• Other Government Agencies</li> </ul>	<ul style="list-style-type: none"> <li>• SAF/AQC</li> <li>• MAJCOMS</li> <li>• HQ AFMC/PM</li> <li>• Strategy Board</li> </ul>	<ul style="list-style-type: none"> <li>• ASC/PK</li> <li>• FAR/DAR</li> <li>• OO-ALC/PK</li> <li>• DFAS</li> <li>• DCMC</li> <li>• EDI Orgs</li> </ul>	<ul style="list-style-type: none"> <li>• SSG</li> <li>• MSG</li> <li>• Industry</li> </ul>	<ul style="list-style-type: none"> <li>• GCSS-AF</li> <li>• Logistics</li> <li>• Financial</li> <li>• Business Support Operations</li> <li>• ESC Center</li> <li>• ADO</li> <li>• EC/EDI PMO</li> <li>• SPS PMO</li> <li>• SSG Staff</li> </ul>	<ul style="list-style-type: none"> <li>• DII-AF</li> <li>• Data Mgt</li> <li>• Information</li> <li>• Comm</li> </ul>

## Systems Supported

<ul style="list-style-type: none"> <li>• J001 Contract Reporting System</li> <li>• J001A Contract Reporting Query Sys</li> <li>• J010 (CPRS)</li> <li>• J011 (AMIS)</li> <li>• J014 (MBLS)</li> <li>• J018 (CIDS)</li> <li>• J023 (APS)</li> <li>• J041 (ADIS)</li> </ul>	<ul style="list-style-type: none"> <li>• J090D (UCAMS)</li> <li>• J090E (VRS)</li> <li>• MADES</li> <li>• MADES II</li> <li>• ACPS</li> <li>• FARSite</li> <li>• EC/EDI MADES/MADES II</li> <li>• J016 (BCAS)</li> <li>• ACMS</li> </ul>	<ul style="list-style-type: none"> <li>• ConWrite</li> <li>• ICOD</li> <li>• CPARS</li> <li>• ACPS GUI</li> <li>• C-TRAC</li> <li>• Contingency Contracting</li> <li>• Debarred/Suspended Contractor</li> </ul>
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# Outline

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***Key Processes***

***~~Work Breakdown Structure~~***

***Organizational Issues***

# Requirements Process

**ACC**      **AETC**      **AFSPC**      **AMC**      **USAFE**      **AFCIS SPD**  
**AFMC**      **AFRES**      **AFSOC**      **AIA**      **PACAF**      **NGB**

*Contracting Strategy Board*

**Strategic Objectives**



*Functional  
Requirements Board*

**Prioritized  
Tasks**



*System Program  
Directorate*

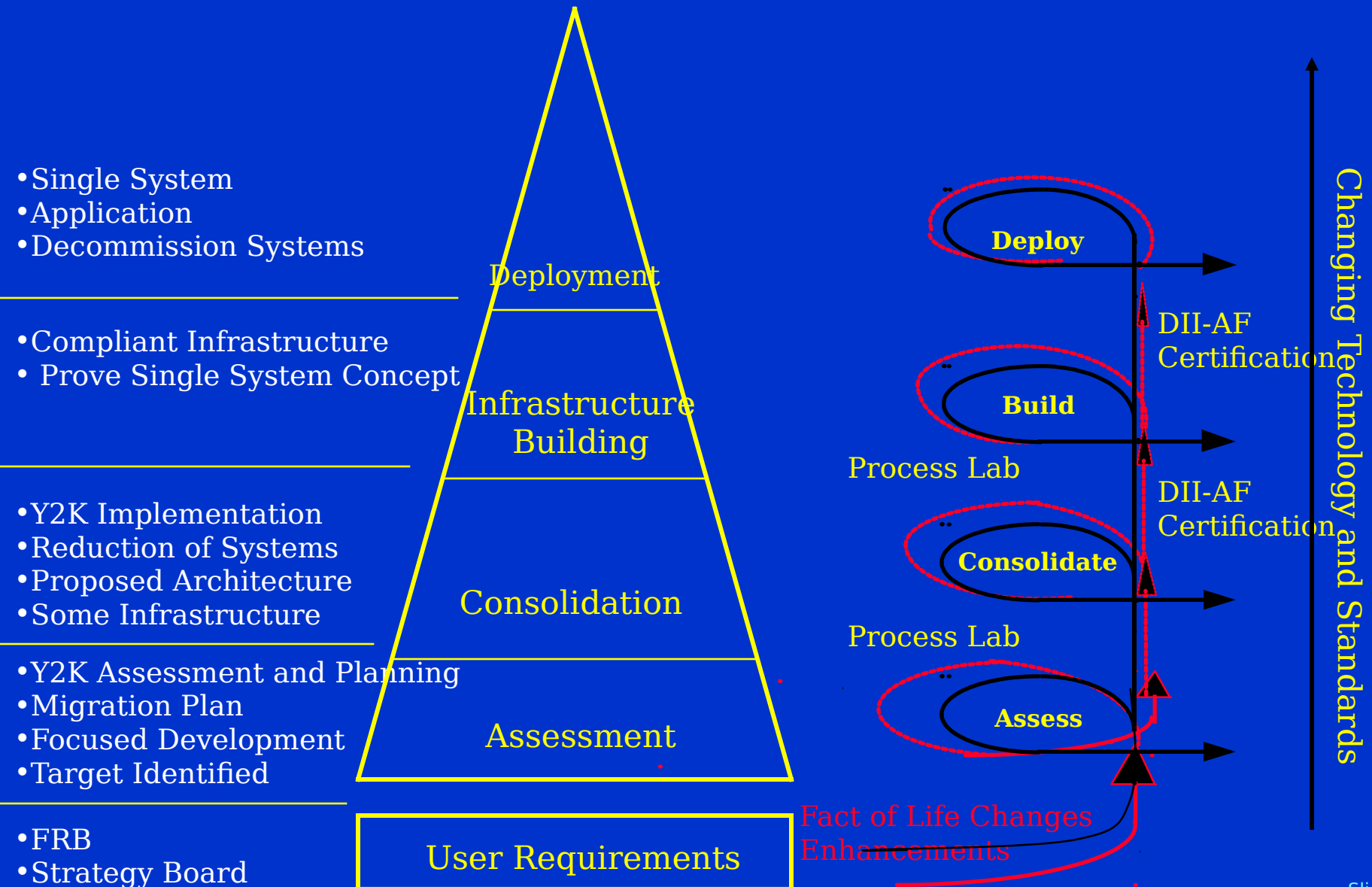
**Taskings, Budgets, Schedules**



*Developmental Activities*

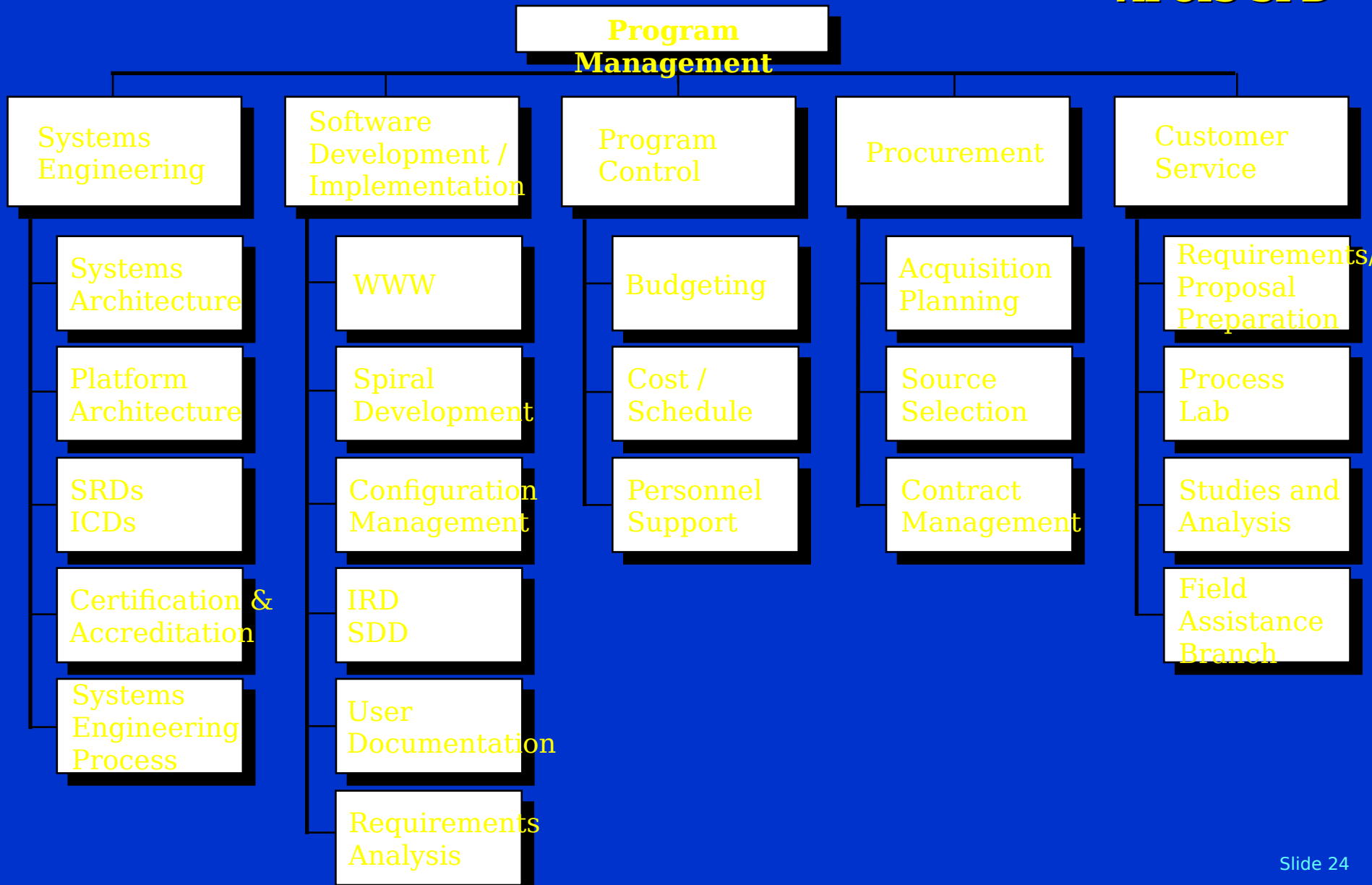
# AFCIS Spiral Development

**AFCIS SPD**



# AFCIS WBS

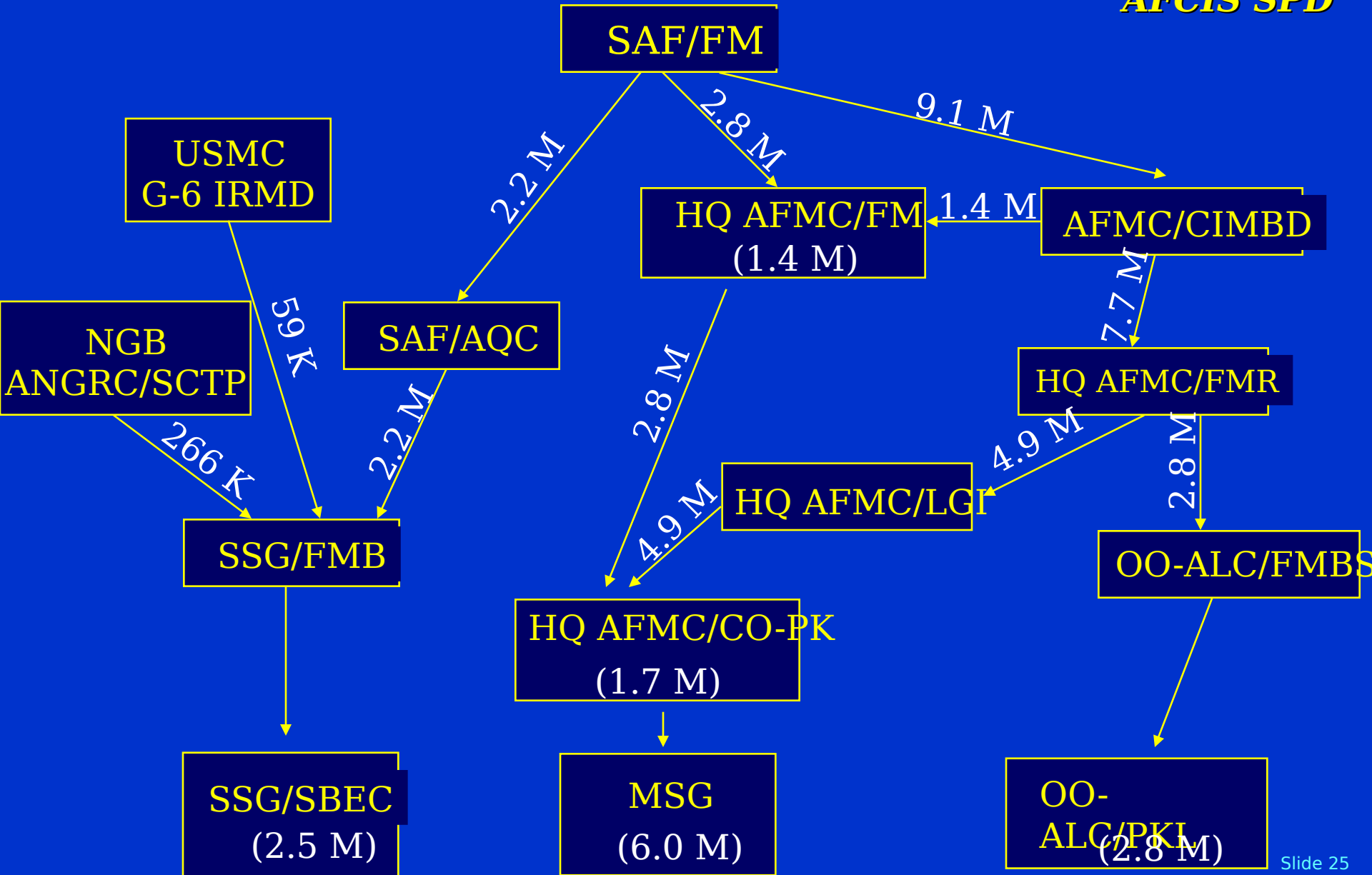
**AFCIS SPD**





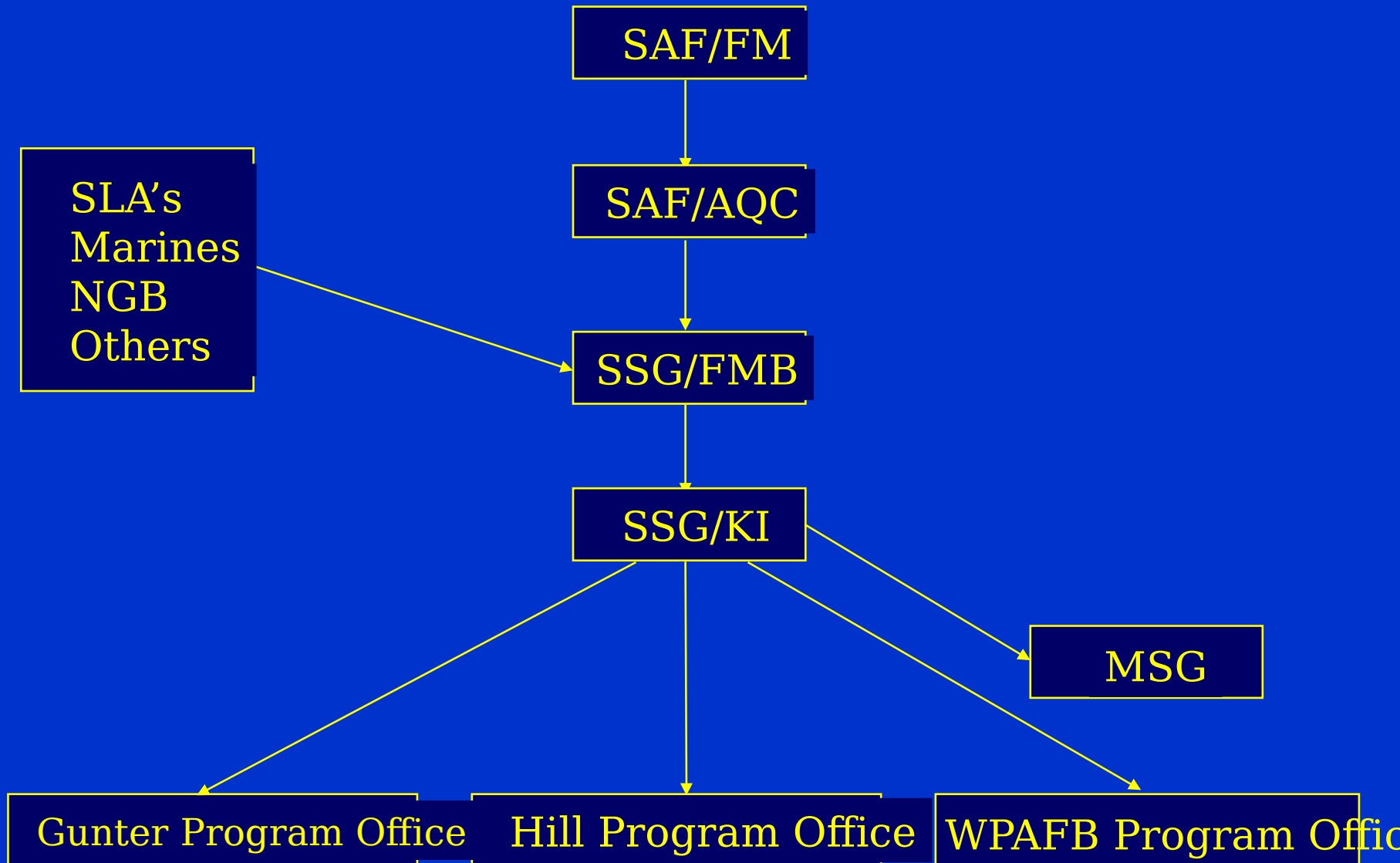
# AFCIS Budget Flow FY97

**AFCIS SPD**



# AFCIS Recommended Budget Flow

*AFCIS SPD*



# Outline

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*AFCIS SPD*

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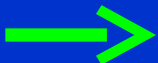
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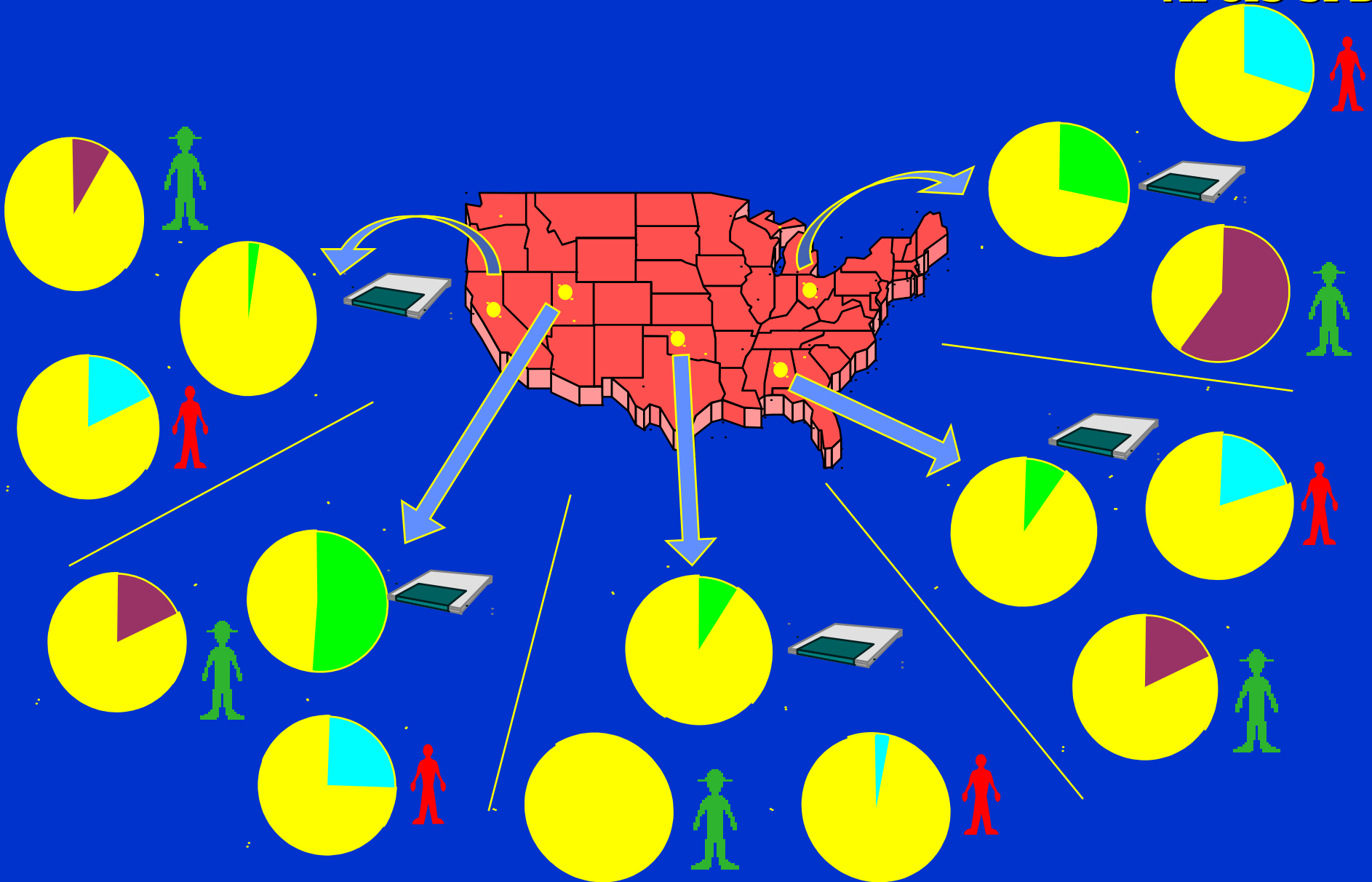
*Work Breakdown Structure*

*Organizational Issues*



# Workload Distribution

*AFCIS SPD*

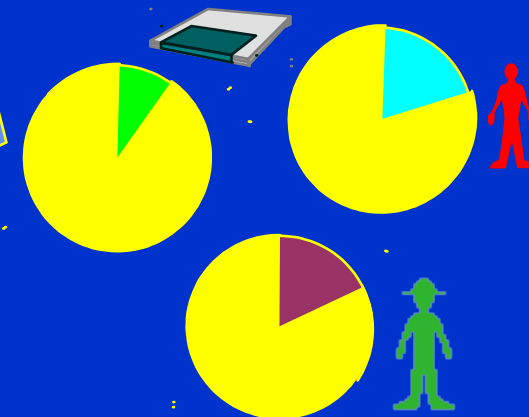
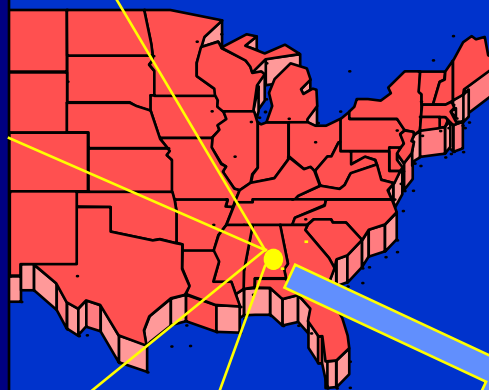


# Functional Responsibilities

**AFCIS SPD**

## HQ SSG/SBEC (Gunter)

- Review Requirements
- Determine System Impact
- Interpret Requirements
- Functional Testing
- Writing Test Plans
- Manage Software Releases
- Maintain User Documentation
- Develop Implementation Plans
- Provide Customer Support
- Develop and Conduct Training
- Define System Interfaces
- Review Policy Changes
- Contractor Oversight
- Acquisition Planning
- Program Support

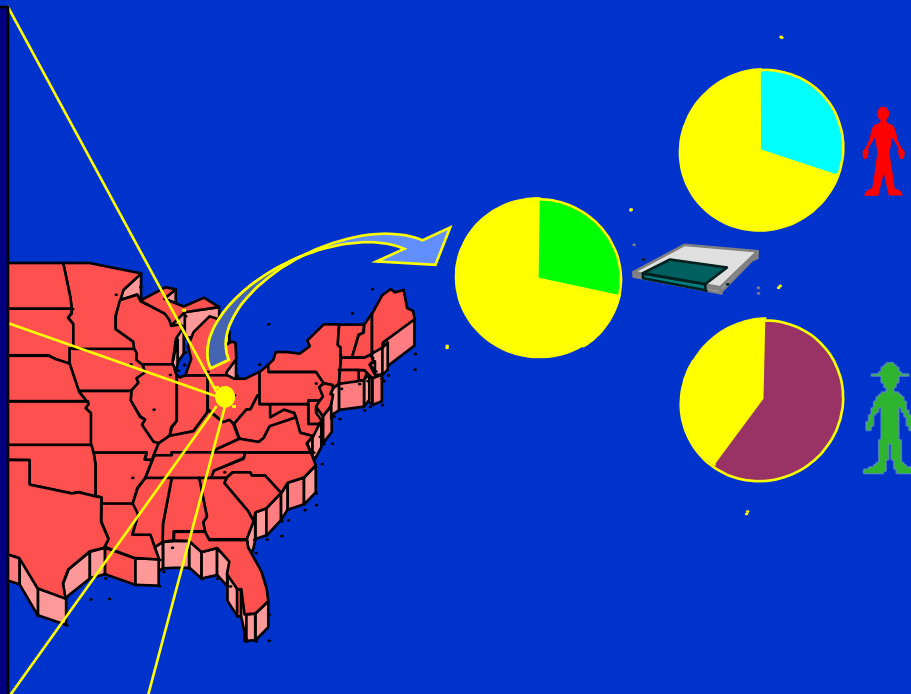


Contracting Functionals .....	8
Comm/Computer .....	17
Admin .....	1
Program Management .....	<u>1</u>
Total Assigned	27

# Functional Responsibilities

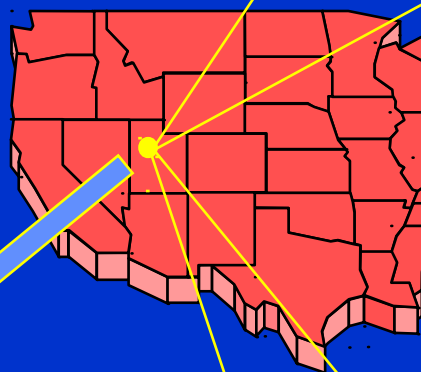
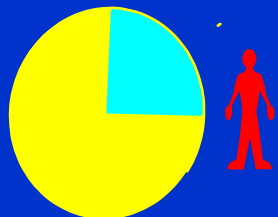
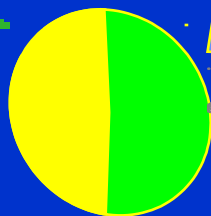
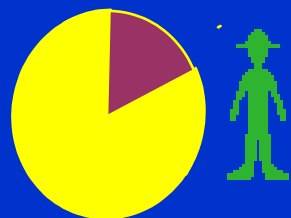
## HQ AFMC/CO-PK (Wright-Patterson)

- Programming
- Program Management
- Process & Data Modeling
- Maintaining Clause Logic
- Interface Maintenance
- Review Requirements
- Determine System Impact
- Interpret Requirements
- Functional Testing
- Writing Test Plans
- Manage Software Releases
- Maintain User Documentation
- Develop Implementation Plans
- Provide Customer Support
- Develop and Conduct Training
- Define System Interfaces
- Review Policy Changes
- Contractor Oversight
- Acquisition Planning & Program Spt



Contracting Functionals .....	18
Comm/Computer (MSG).....	15
Admin .....	3
Budget/Accountant .....	4
<b>Total Assigned</b>	<b>40</b>

# Functional Responsibilities



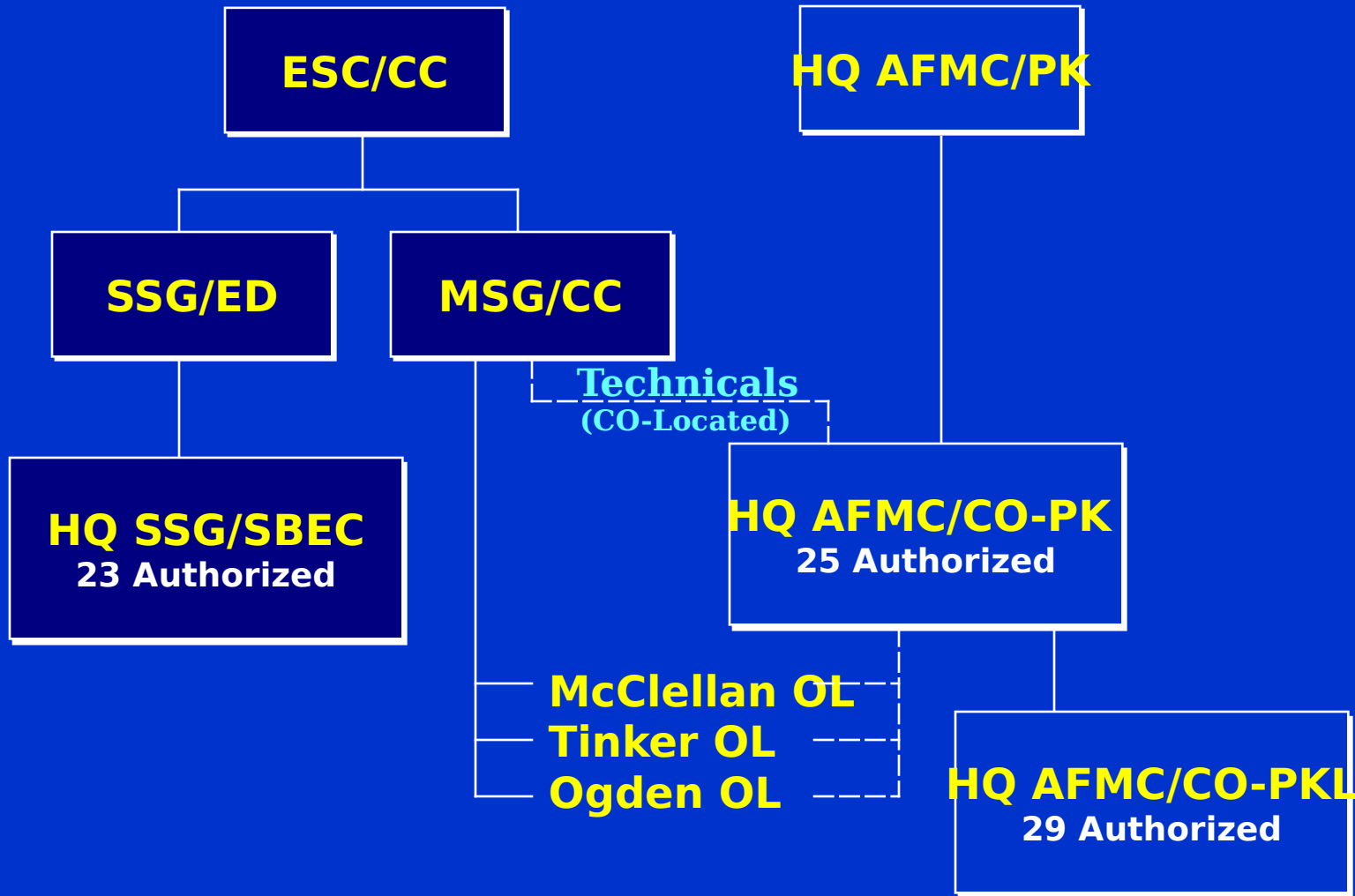
## HQ AFMC/CO-PKL (Hill)

- Programming
- Program Management
- Process & Data Modeling
- Maintaining Clause Logic
- EC/EDI Mapping & Certification
- WWW Administration
- Interface Maintenance
- Review Requirements
- Determine System Impact
- Interpret Requirements
- Functional Testing
- Writing Test Plans
- Manage Software Releases
- Maintain User Documentation
- Develop Implementation Plans
- Provide Customer Support
- Develop and Conduct Training
- Define System Interfaces
- Review Policy Changes
- Contractor Oversight
- Acquisition Planning & Program Spt

Contracting Functionals .....	15
Comm/Computer .....	13
Admin .....	1
<b>Total Assigned</b>	<b>29</b>

# Current Organization

*AFCIS SPD*





# Four Possible Alternatives

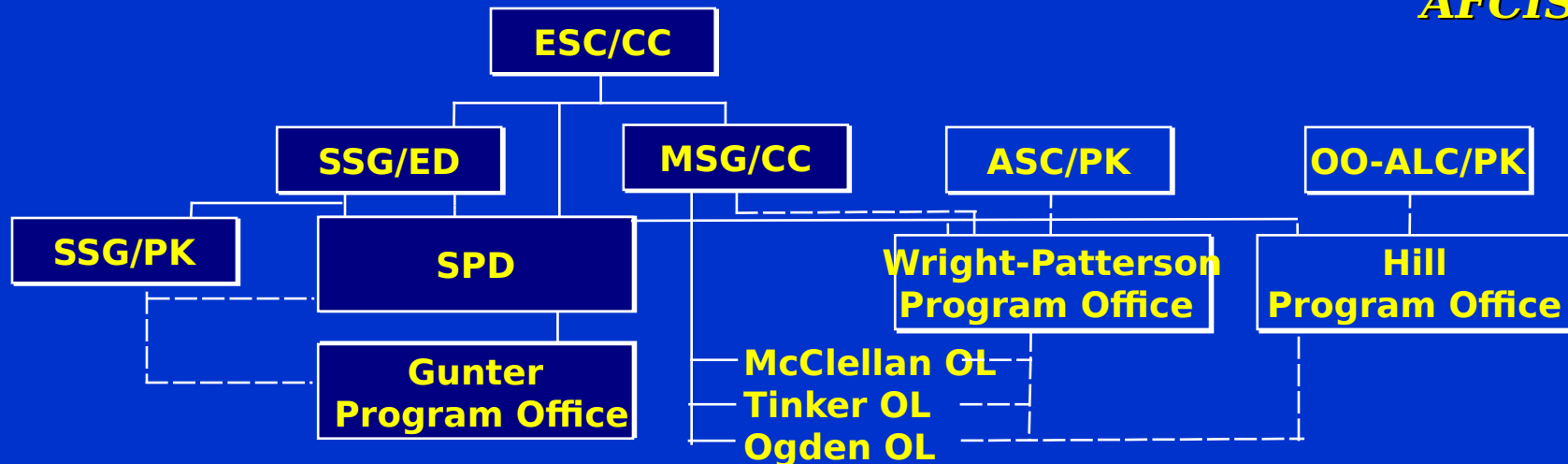
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*AFCIS SPD*

- **Matrix from Host PKs**
- **Matrix Most from MSG**
- **Functionals Under SSG**
- **All Under SSG**

# Option 1: Matrix from Host PKs

*AFCIS SPD*



## PROS

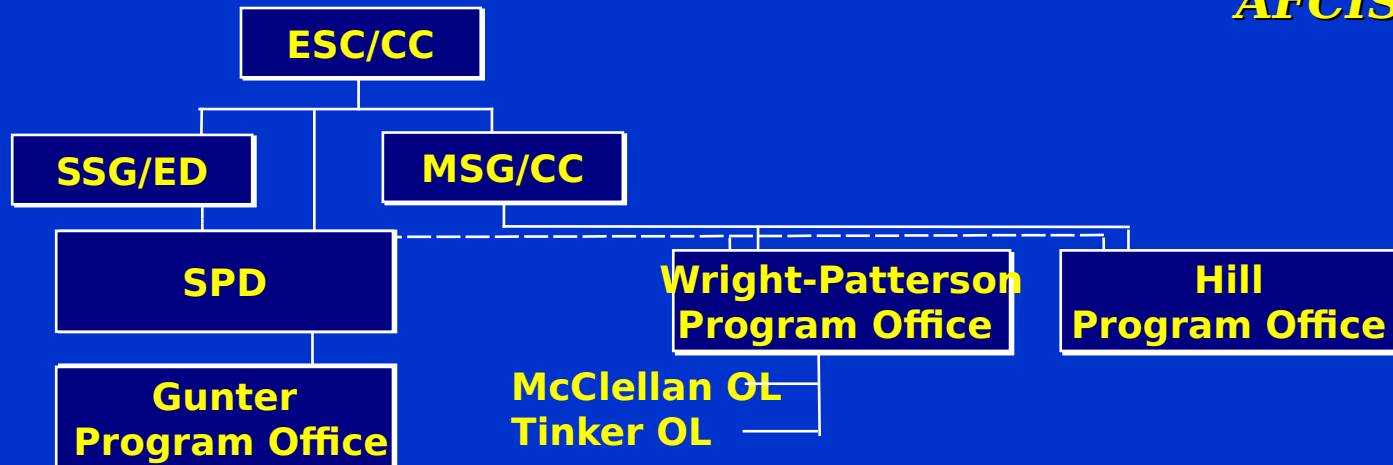
- Functional Rotation
- Fresh Expertise
- No Homesteading
- Professional Dev/Career Mgt
- Lower Functional Training Costs
- Provides Functional

## CONS

- Resources Outside ESC Structure
- DBOF/Non-DBOF Funding Mix
- Increases IT Training Costs
- Difficult Activity Based Costing
- Inhibits Single Technical

# Option 2: Matrix Most from MSG

*AFCIS SPD*



## PROS

- Resources Inside ESC Structure
- All DBOF Funded
- No Added Host Tenant Agreement
- Facilitates Activity Based Costing
- Decreases IT Training Costs

## CONS

- Current Functional Expertise Ltd
- Promotes Homesteading
- Func/Dev/Career Mgt Limited
- Func Training Costs Increased
- Inhibits Single Technical Process

# Option 3: Functionals Under SSG

*AFCIS SPD*



## PROS

- Resources Inside ESC Structure
- All DBOF Funded
- Facilitates Activity Based Costing
- Decreases IT Training Costs
- Direct Reporting Chain for Func

## CONS

- Current Functional Expertise Ltd
- Promotes Homesteading
- Func/Dev/Career Mgt Limited
- Func Training Costs Increased
- Inhibits Single Technical Process

# Option 4: All Under SSG

*AFCIS SPD*



## PROS

- Resources Inside ESC Structure
- All DBOF Funded
- Single Chain of Command
- Facilitates Activity Based Costing
- Decreases IT Training Costs

## CONS

- Current Functional Expertise Ltd
- Promotes Homesteading
- Func/Dev/Career Mgt Limited
- No Functional Surge Capability
- Func Training Costs Increased

# AFCIS Organizational Alternatives

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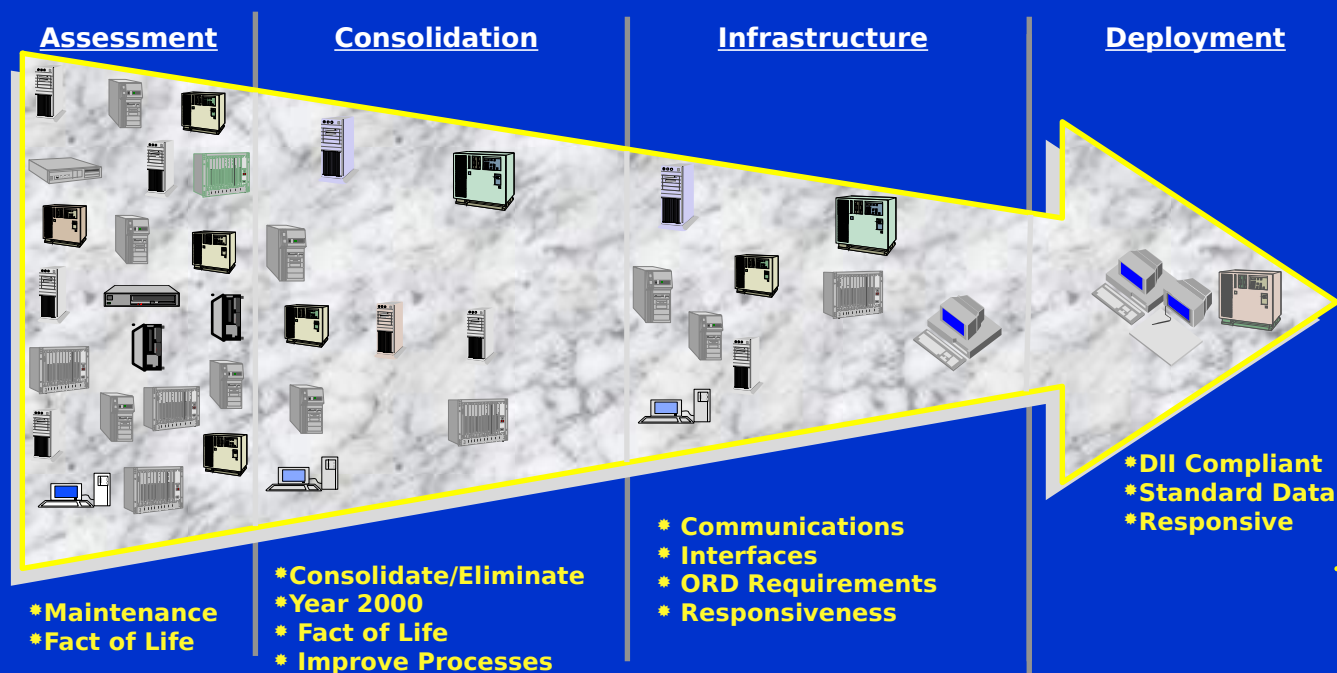
*AFCIS SPD*

- **Matrix from Host PKs**
- **Matrix Most from MSG**
- **Functionals Under SSG**
- **All Under SSG**
- **Go Back to Drawing Board**

# Conclusion

*AFCIS SPD*

- **CADRE is Executing the Mission**
- **Request Permission to .....**
  - **Complete CONOPS**
  - **Complete SPD PMI**
  - **Formally Stand-up SPD**





# **Air Force Contracting Information Systems System Program Directorate**

## **CONCEPT OF OPERATIONS**

28 May 1997

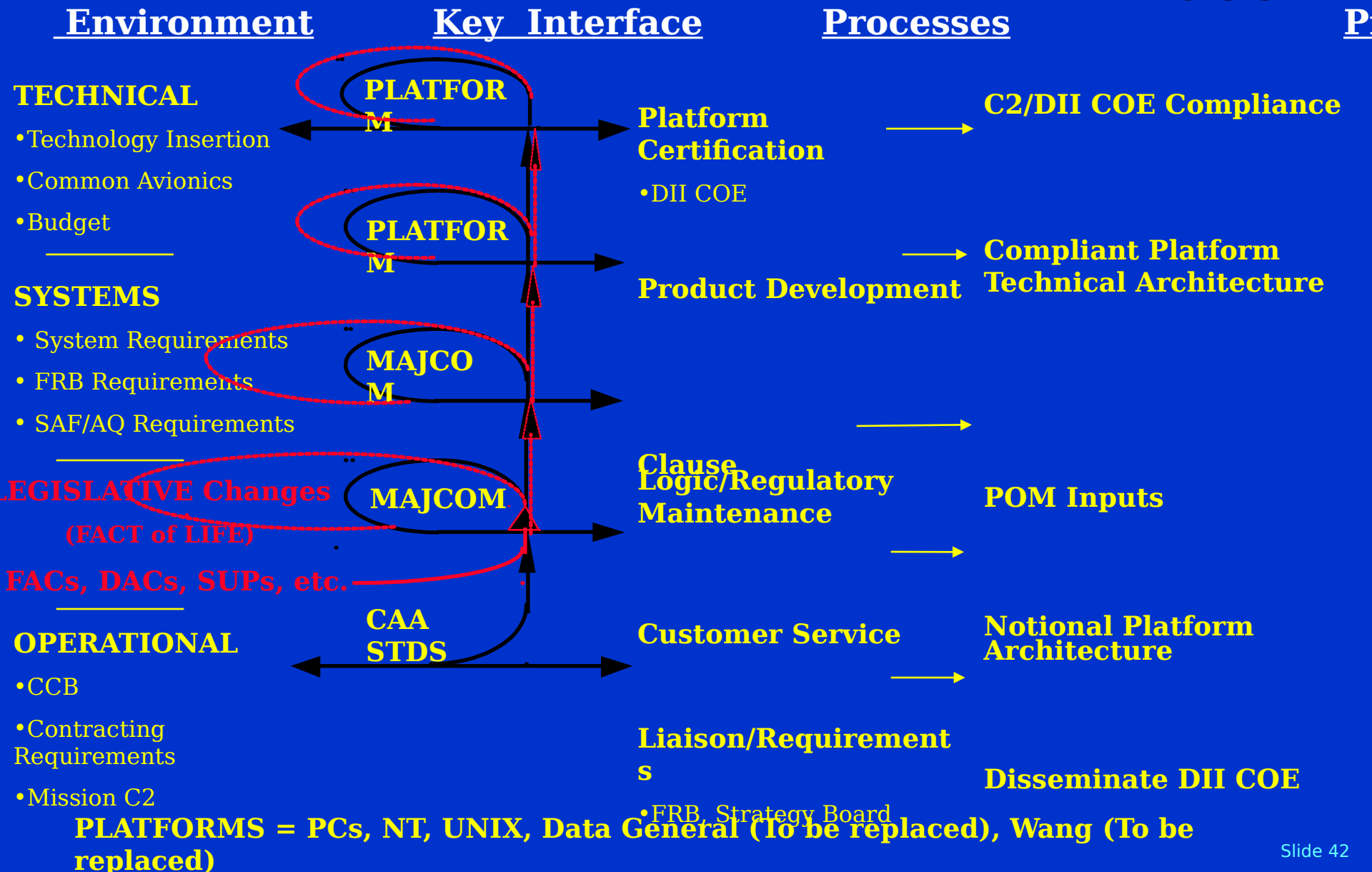
Lt Col Andrew Gilmore  
SSG/KI



# BACKUP

# AFCIS Spiral Development

**AFCIS SPD**



# FRB Goals and Objectives

**Goal:** Reengineer AFCIS Contracting Business Processes to be Responsive to Business Changes Across the Acquisition Cycle

**Objectives:** Leverage the Internet for Use on Contracting Business Processes

- Integrate Computer-Based Training into Reengineered Processes

**Goal:** Fully Prepare AFCIS to Transition to the SPS and GCSS-AF Environment

**Objectives:** Integrate Contracting System with GCSS-AF and Future DOD Systems

- Invest in DII COE, GCSS Compliant Contracting IT Infrastructure
- Fully Integrate FY97 Follow-On and FY98 Expenditure Plans
- Achieve a Global Shared Information Environment
- Develop Contingency Contracting Capability
- Implement an Efficient and Effective Sustainment Approach

# FRB Goals and Objectives

**Goal: Transition Legacy Systems to a Standards Compliant Single System**

**Objectives: Achieve Year 2000 Compliance by 31 Dec 98**

- Migrate to a Single Contract Writing System
- Assess the Need for Standard Data and Standard Processes
- Optimize the Expenditure of Sustaining FACNET
- Reduce the Number of Currently Deployed & New Contracts

**Goal: Achieve Timely Integration of Contracting Policy and Business**

**Objective: • Issue Timely Block Release of AF Contracting Policy Changes**

# FRB Tasks

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*AFCIS SPD*

1. Sustain Legacy Systems to Minimum Essential Level
2. ID Baseline Infrastructure to Standardize the AF
3. Conduct infrastructure gap analysis
4. Conduct SPS Risk Assessment and mitigation plan
5. Provide approved CSRD for IT purchases to fill gap
6. Plan for migrating off current legacy platforms
7. Integrate FY97/98 budgeted expenditure plans with SPS
8. Develop plan for single AF contract writing system
9. Identify legacy systems and schedule for turn off
10. Plan to eliminate duplication of development effort
11. Implementation plan integrating AFCIS with GCSS-AF & DFAS
12. Implement efficient process for software development/test/integration
13. Provide contingency contracting capability
14. Review DD350 change process for improvements
15. Develop Y2K compliance plan
16. Develop strategy to standardize EC comm for hardware and software
17. Develop concept document migrating to a shared data environment
18. Develop migration plan to satisfy shared /std data requirements
19. Develop internet process for electronic distribution of software updates
20. Develop concept document to provide single input of data

# **Program Management Instruction** (DRAFT)

- **Functional Area Director:** SAF/AQC
- **Implementing Command:** AFMC
- **DAC:** ESC/CC
- **SPD:** Lt Col Gilmore
- **PEM:** SAF/AQCI
- **Specific Direction**
  - **SAF/AQC**
    - Advocates resource requirements
    - Develops strategy and requirements
    - Represents AF in Joint and Interagency Environment
  - **Using Commands**
    - Support Strategy and Requirements Boards
    - Support SPD as needed
  - **AFMC**
    - Establish AFCIS SPO
    - Support Strategy and Requirements Boards
    - Provide Life Cycle Management for all AF Contracting Systems
    - Execute Prioritized Requirements
    - Determine Required Resources

# **Program Management Instruction** (DRAFT)

- **Specific SPD Mission Responsibilities**
  - **Sustainment of Legacy Systems**
  - **Acquire and Transition to a JTA Standard Environment**
  - **Transition Legacy Systems to the SPS**
  - **Support Business Process Improvements**

# **DAS (Contracting) [draft PMI]**

- **Accumulates AF contracting information systems resource requirements and advocates these requirements during the DoD and AF programming and budget cycles**
- **Through the AF Contracting Strategy Board, develops and approves the AF contracting information systems strategic objectives**
- **Through the AF contracting Functional Requirements Board collects, assesses, defines, and prioritizes functional requirements based on AF contracting strategic objectives**
- **Provides prioritized functional requirements to the SPD for implementation**
- **Represents consolidated AF contracting policy, business process, and functional requirements views to the SPS program office, other DoD procurement agencies, and at the interagency level**



# Using Commands [draft PMI]

- **Support the AF Contracting Strategy Board and Functional Requirements Board**
- **Designate a MAJCOM point of contact to the SPD not later than 30 days from the approval of this program management instruction, who will have the overall responsibility for providing support as determined by the SPD**
- **Provide support as determined by the SPD toward achieving the stated contracting information system's objectives and functional requirements**

# **SPD [draft PMI]**

- **Act as a permanent advisor to the AF Contracting Strategy Board**
- **Designate a permanent advisor to the AF Functional Requirements Board**
- **Provide life-cycle program management for all AF contracting information systems**
- **Execute the written, prioritized functional requirements within the agreed to program baseline, and in accordance with the SAF/AQC approved AF Contracting Requirements Process (referenced document)**
- **Determine required resources to execute functional requirements, and request necessary technical and customer representative resources from the parent organizations**
- **Provide AF contracting information systems implementation instructions to the using commands**
- **Request support as necessary from the designated using command point of contacts**

# **SSG [draft PMI]**

- **Establish and maintain an AF Contracting Information Systems Program Office (SSG/CI) to implement the stated objectives for all AF contracting information systems**
- **Provide day-to-day guidance to the SPD as part of the DAC staff**

# MSG [draft PMI]

- **Establish and maintain technical resources and capabilities to support the SPD in implementing the stated objectives**
- **Matrix the technical resources to the SPD, as determined by the SPD; and assign and reassign resources only with the SPD's written approval**

# **OO-ALC/PK & ASC/PK [draft PMI]**

- **Establish and maintain “customer representatives,” (contracting functional resources (i.e., 1102s and 64Ps) that assist with the definition and implementation of functional requirements) and to support the SPD in implementing the stated objectives**
- **Matrix the customer representatives to the SPD, as determined by the SPD; and assign and reassign resources only with the SPD’s written approval**